

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. 3502-1067
		U.S. Application No. <div style="font-size: 1.5em; font-weight: bold; text-align: center;">107510106</div>
INTERNATIONAL APPLN. NO. PCT/FI03/00248	INTERNATIONAL FILING DATE April 1, 2003	PRIORITY DATE CLAIMED April 4, 2002
TITLE OF INVENTION: METHOD FOR GENE MAPPING FROM GENOTYPE AND PHENOTYPE DATA		
APPLICANT(S) FOR DO/EO/US: Hannu T.T. TOIVONEN, Päivi ONKAMO, Kari VASKO, Vesa OLLIKAINEN, Petteri SEVON, Heikki MANNILA and Juha KERE		
Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) or a Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations. 12. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)). 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)). 20. <input checked="" type="checkbox"/> Other items or information: <u>International Search Report, forms PCT/IB/304 and PCT/IB/308</u> 		

U.S. APPLICATION NO. <div style="font-size: 2em; font-weight: bold; margin-left: 50px;">10/510106</div>		INTERNATIONAL APPLN. NO. PCT/FI03/00248		ATTORNEY DOCKET NO. 3502-1067	
21. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)): Neither international preliminary examination fee nor international search fee paid to USPTO and international Search Report not prepared by the EPO or JPO \$1110.00 International preliminary examination fee not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00 International preliminary examination fee not paid to USPTO but International search fee paid to USPTO \$790.00 International preliminary examination fee paid to USPTO but all claims did not satisfy provision of PCT Article 33 (1)-(4) \$750.00 International preliminary examination fee paid to USPTO and all claims satisfied provision of PCT Article 33 (1)-(4) \$100.00 <div style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT</div>				<div style="border: 1px solid black; padding: 2px;">\$ 1,110.00</div>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e))				<div style="border: 1px solid black; padding: 2px;">\$ 130.00</div>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total Claims	20 - 20 =	0	x \$18.00	\$	
Independent Claims	1 - 3 =	0	x \$88.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00	\$	
TOTAL OF ABOVE CALCULATION =				\$ 1,240.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<div style="border: 1px solid black; padding: 2px;">\$ 620.00</div>	
SUBTOTAL =				\$ 620.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<div style="border: 1px solid black; padding: 2px;">\$</div>	
TOTAL NATIONAL FEE =				\$ 620.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property +				<div style="border: 1px solid black; padding: 2px;">\$</div>	
TOTAL FEES ENCLOSED =				\$ 620.00	
				Amount to be refunded:	\$
				Charged:	\$
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><input checked="" type="checkbox"/> A check in the amount of \$620.00 to cover the above fees is attached.</p> <p><input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.</p> </div> <div style="width: 35%; text-align: right;"> <div style="margin-bottom: 10px;"> SIGNATURE </div> <div style="margin-bottom: 10px;"> Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER </div> <div> October 4, 2004 DATE </div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p>SEND ALL CORRESPONDENCE TO:</p> <p>YOUNG & THOMPSON</p> <p>745 South 23rd Street</p> <p>Arlington, VA 22202</p> <p>Telephone (703) 521-2297</p> <p>Y&T Customer No. 00466</p> <p>BC/lmt</p> </div> </div>					